

VALLEY REGIONAL TRANSIT

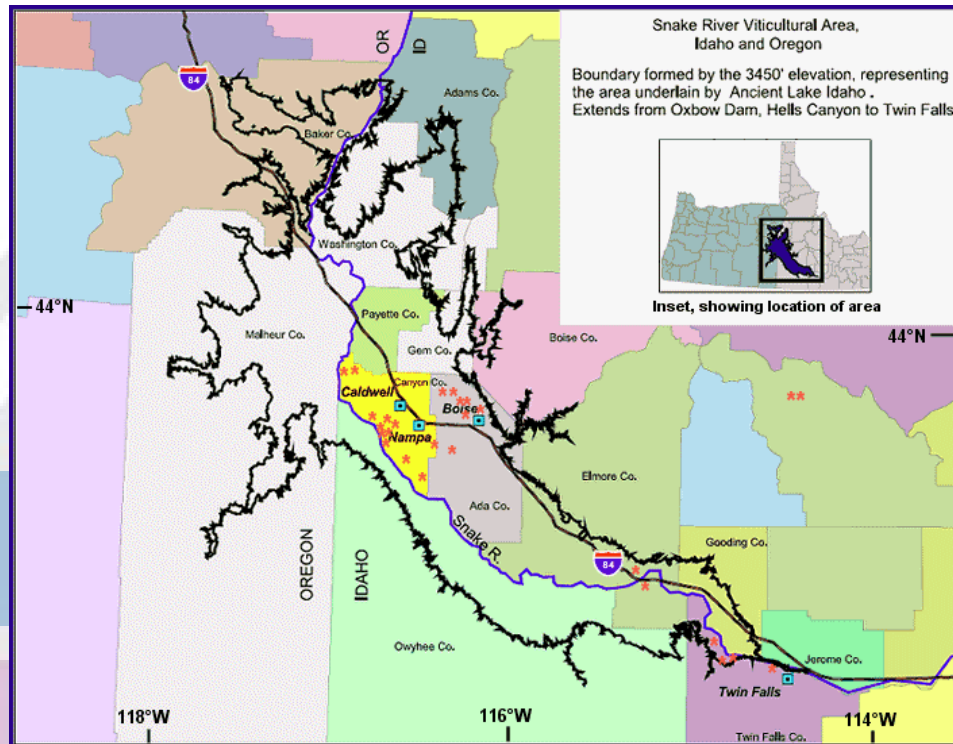
ASSET MANAGEMENT PROJECT

Kelli Fairless – Executive Director, Rhonda Jalbert – Development Director
Craig Jaffe – CH2MHill/Four Nines Technology
Brett Koenig – Trapeze

Agenda: Asset Management Project

- **Introduction to VRT**
- **Business Need**
- **Grant**
- **Objectives**
- **Approach**
- **Assets**
- **Benefits**
- **Closing**
- **Questions**

Introduction to VRT



- **Located in Southwest Idaho**
- **Population 600,000**
- **40 percent of total population in state**
- **Large urban, small urban and rural communities**

Diverse Region

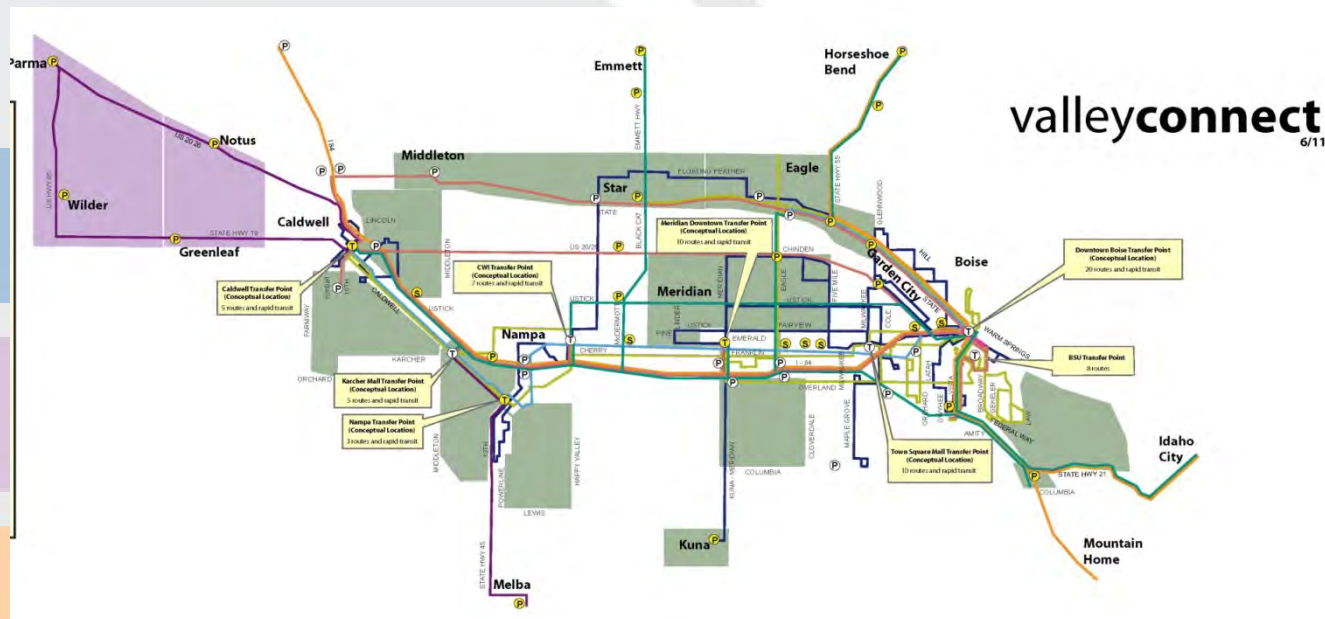


- Two largest counties in Idaho
- Includes 19 local governments
- Large urban, small urban, and rural



Valley Regional Transit

- Regional Public Transportation Authority
- Accountable to local governments
- Responsible for regional coordination
- Encourages transportation service delivery through private sector



Foundations



Traditional Public Transportation

- Express Commuter Service
- Local Fixed-Line Service
- Local Flex-Route Service
- Paratransit – ACCESS
- University Shuttles

Community Transportation

- Vehicle Sharing
- Volunteer Driver
- Ride Reimbursement
- Village Van
- Car Sharing
- Non Emergent Medical Transportation

RIDELINE.ORG

- Trip Reservations
- Travel Training
- Call Center
- Websites
- Employer Outreach
- Marketing
- Ridematch
- Pass/Contract/Sales Outlets
- Information Outlets
- Ambassador Program
- Eligibility Assessment

Commuter Services

- Vanpool
- Rideshare
- Job Access Vanpool
- Carpooling
- Telecommuting

Business Need

A regional asset management system to:

- Fill key gaps in the region's ability to assess asset condition
- Develop a regional recapitalization plan.
- Meet **MAP 21** requirements.



Current Systems

- Independent systems to collect data
- The region is expanding mobility options
- The existing asset inventory and maintenance tracking systems do not accommodate the capital equipment used by these services.



VRT Grant

- Provide a single point of reference for all assets
- Deliver reports to monitor and evaluate condition and future investment needs
- Support regional planners with information for cost benefits analysis and replacement planning
- Align with FTA Transit Asset Management (TAM) and State of Good Repair (SGR) Requirements
- Innovative Approach to Asset Management
- System that can be used Regionally
- Interface with FTA TERM LITE

Project Objectives Aligned with FTA

A new asset management system that provides a place to track assets (for example, vehicles) and provide a place for service organizations to gather information and centralize the data for all providers.

- Provide a single point of reference for all assets (not just vehicles)
- Align with FTA requirements
- Provide reports specifically designed to meet National Transit Database reporting requirements
- Prioritize replacing or purchasing
- Conduct cost benefit analysis
- Generate capital replacement plan alternatives
- Generate a comparison of the capital investment per passenger mile traveled over the life of various vehicles.

Additional Project Objectives

In addition to meeting FTA and Grant requirements VRT sought to address additional needs across the region:

- Provide operations a tool to manage assets
- Combine the needs for capital planners and operations staff in one application
- Identify and deploy a solution for the entire region

Capital Assets that could be tracked:

Are being tracked:

- Motor Buses – 59
- Demand Response - 18
- Benches - 200
- Shelters - 50
- Facilities - 3
- Equipment - 200
- Bus Stops - 900
- Support Vehicles - 28

Will be tracked in Phase 2:

- Social Service Agency Buses & Vans
- University Shuttle Buses
- Vanpool Vehicles
- Transit Centers
- Park & Ride Lots



Who are our Partners?

- Local Highway Districts
- Local Universities
- Social Service Agencies
- Surrounding Counties
- Local Municipalities
- State
- Federal Transit Administration



VRT Used the Project Management Institutes PMI Framework to Manage the Program



- Identify key stakeholders,
- Assess all regional assets,
- Assess condition of assets, and
- Document agency needs.

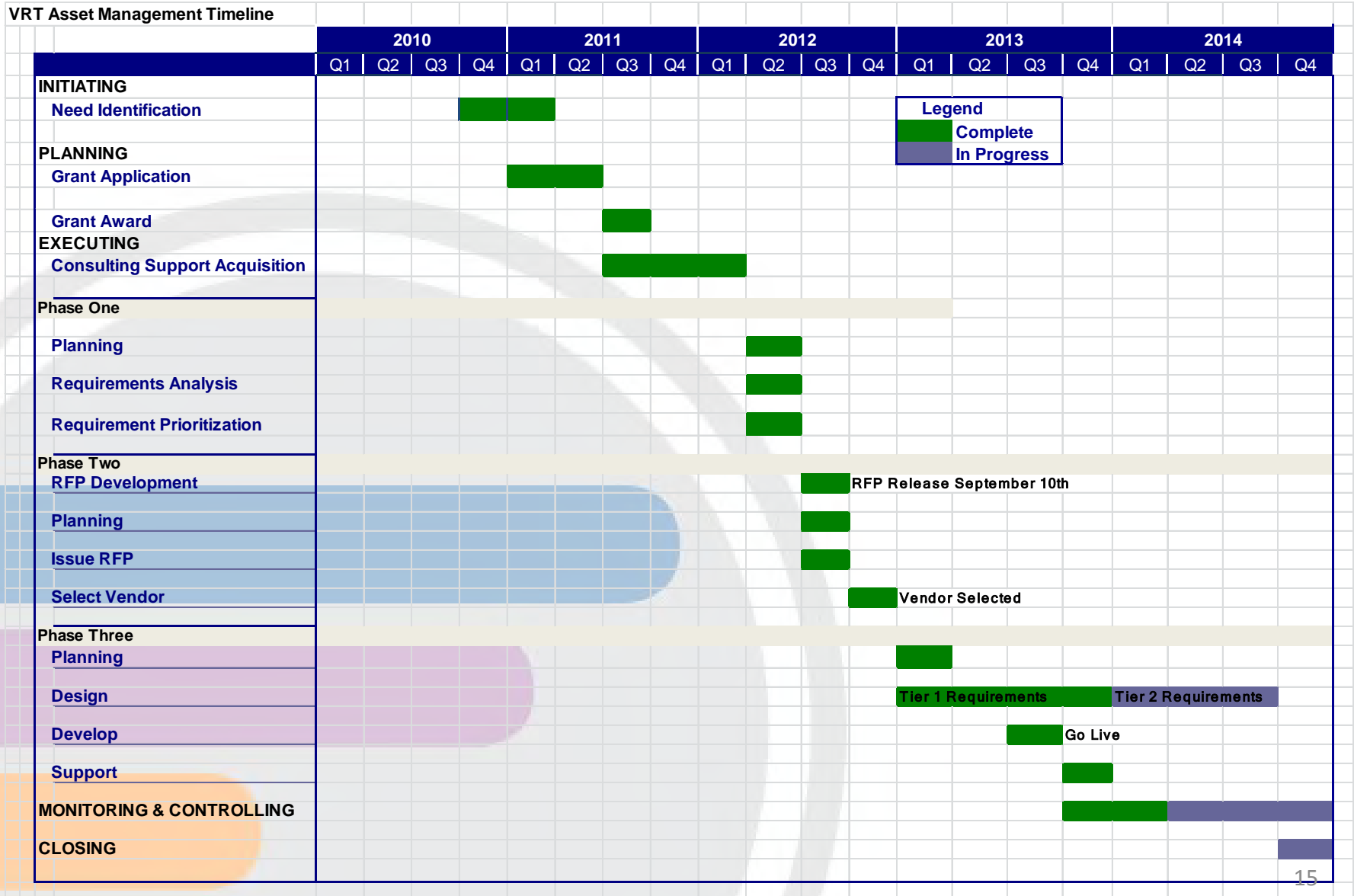
- Determine how are assets currently being tracked,
- What details are being tracked,
- What details are required for grant applications, and
- Assess the technical capacity and human resources of the partnering agencies.

- Determine external skill needs
- Develop acquisition plan
- Execute 3 phased implementation

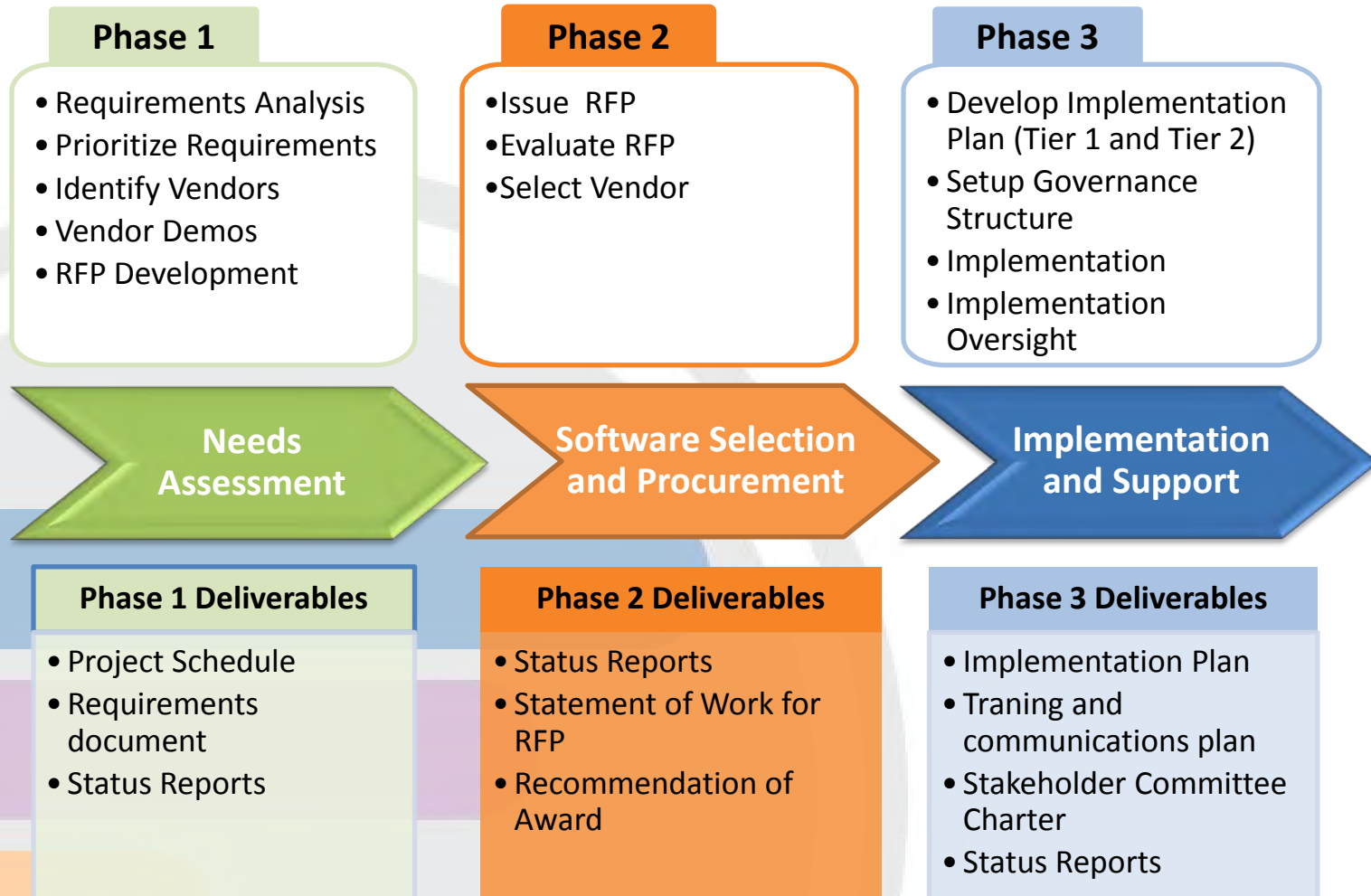
- Status Reports
- Statement of Work for RFP
- Recommendation of Award

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- Statement of Work for RFP
- Recommendation of Award

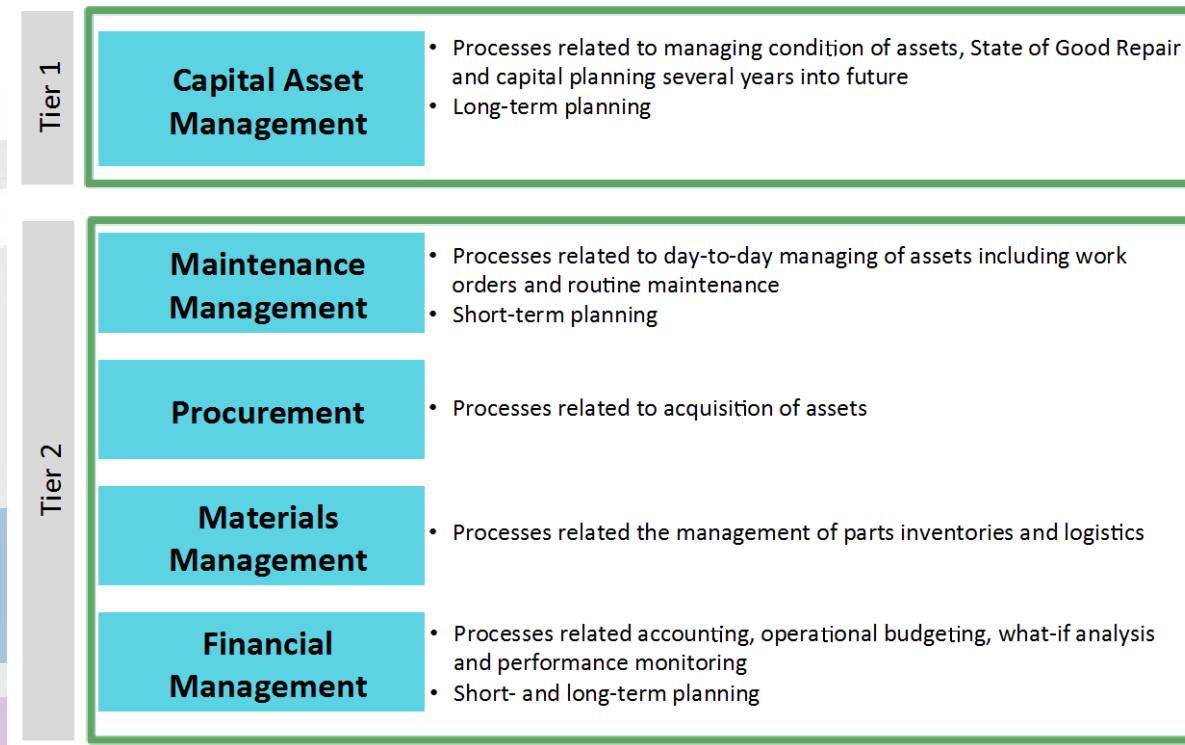
Our Programs Schedule



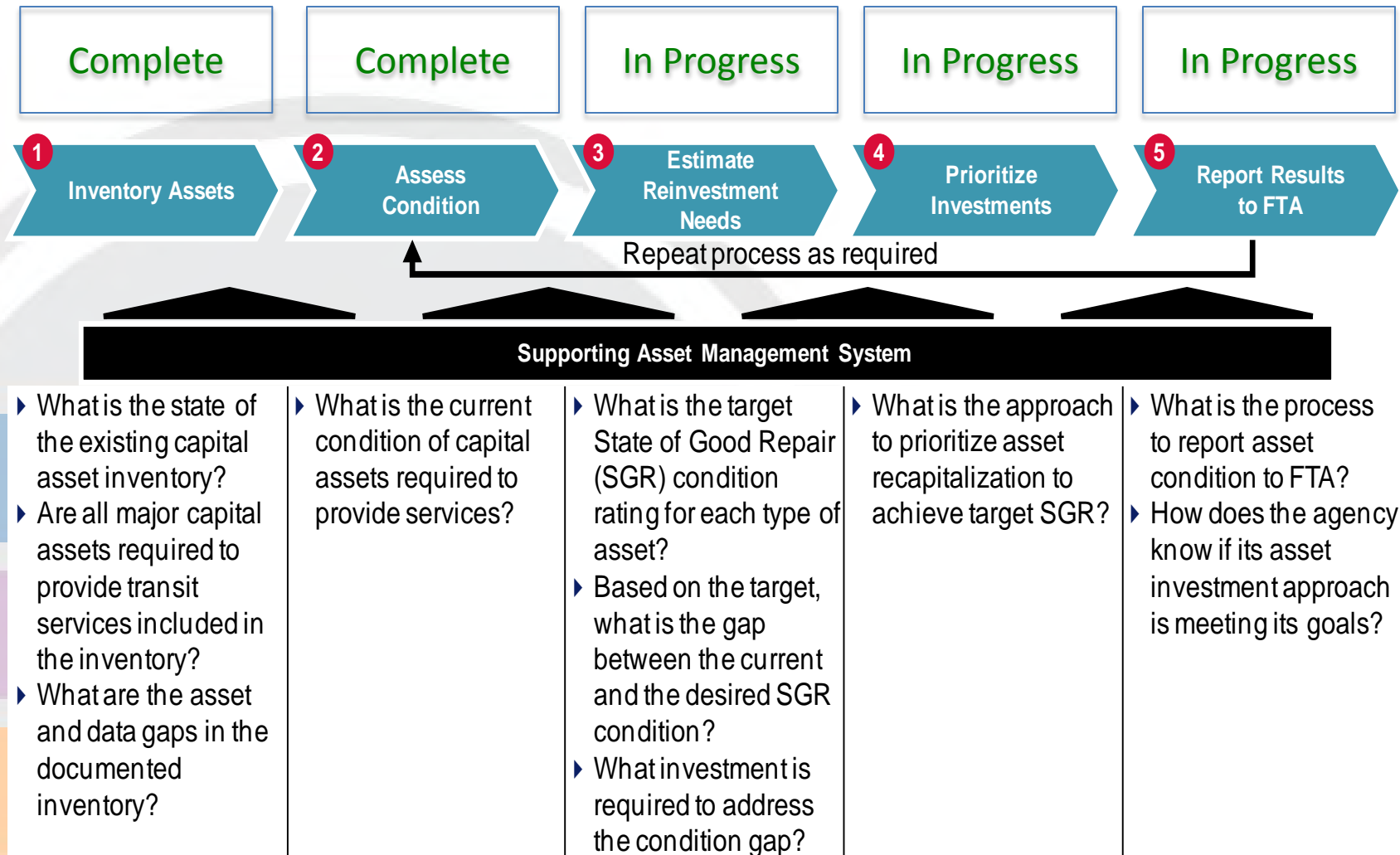
Project Execution was Conducted in Three Phases



Requirements – Captured in Two Tiers to allow for an Incremental Implementation



Our Final Solution is Focused on all Stages of the Asset Lifecycle



Software Selected based upon Functionality to meet Asset Management Requirements

Trapeze Enterprise Asset Management (EAM) solution was selected because of the ability to meet our needs today and in the future:

- Single repository for all assets
- Ability to meet FTA requirements
- Ability to support operations
- Capital Planning Tools
- Ease of Use
- NTD Reporting
- Future reporting capability

Implementation of Trapeze EAM – Our Tier 1 Requirements

Capital Asset Management

Maintenance Management

Procurement

Materials Management

Financial Management

- Inventory
- Condition
- Reinvestment Needs
- Prioritize Investments
- FTA/NTD Reporting
- Commissioning
- Disposal
- GIS Integration
- State and Local Reporting

SGR Processes

Fleet Equipment

Fleet Equipment

Search

Reload

Sort

Filter

Sort

New


Copy

Delete

Edit

Save

Cancel



Row #	Equipment ID	Model year	Manufacturer ID	Model ID	Equipment description	License number	Asset number
1	011	2005	HONDA	CIVIC 4DR HYBRI	2005 HONDA CIVIC 4DR HYBRID	C13557	5146
2	012	2005	HONDA	CIVIC 4DR HYBRI	2005 HONDA CIVIC 4DR HYBRID	C13558	5145
3	016	2012	DODGE	CARAVAN	DODGE GRAND CARAVAN	C17894	5147
4	10	2002	FORD	F350XL	2002 FORD F350XL	C11924	5214
5	14	2010	CHEVROLET	PICKUP	2010 CHEVROLET PICKUP	C15067	5125
6	15	2012	FORD	F350	2012 FORD F350	C11456	5122
7	17	2013	HONDA	ACCORD	2013 HONDA ACCORD	C18146	5148
8	2	2002	FORD	TAURUS	2002 FORD TAURUS	C11874	5127
9	201	2012	DODGE	CARAVAN	2012 DODGE CARAVAN	C17893	5204
10	2101	2002	NEW FLYER	C35LF	2002 NEW FLYER C35LF	C12016	5167
11	2402	2002	NEW FLYER	C35LF	2002 NEW FLYER C35LF	C12015	5168

Basic Info

Equipment ID

Basic Info

Model year
Manufacturer ID
Model ID
Equipment type

PM program type

CLASS

INDIVIDUAL

NONE

Description
Color
Serial number
Asset number
Associated file

Path and file name

Description

Basic Info
Meter Info
Classes
Locations
Assignments
Accounts
Status
Capital
Motor Pool
Authorization
Comments
Class PM
Individual PM
Inspections
Codes
Recurring Costs

Fleet Equipment

State of Good Repair Information

Fleet Equipment

Search

Reload

Sort

Filter

Sort

+

New

Copy

Delete

Edit

Save

Cancel

Row #	Equipment ID	Model year	Manufacturer ID	Model ID	Equipment description	License number	Asset number
1	2110	2002	NEW FLYER	C35LF	2002 NEW FLYER C35LF	C12008	5176

Basic Info

Meter Info

Classes

Locations

Assignments

Accounts

Status

Capital

Motor Pool

Authorization

Comments

Class PM

Individual PM

Inspections

Codes

Recurring Costs

Equipment ID

2110

2002 NEW FLYER C35LF 2002 NEW FLYER

New equipment unit

Capital

Capital category ID

51904

MOTORBUS (35 FT)

Capital priority ID

1

LIFE SAFETY CRITICAL

Replacement

Minimum date

10/01/2014

Expected date

01/01/2015

Replacement cost

450000

Minimum meter

650000

Expected meter

750000

Rehabilitation

Expected date

__/__/__

Expected meter

0

Rehabilitation cost

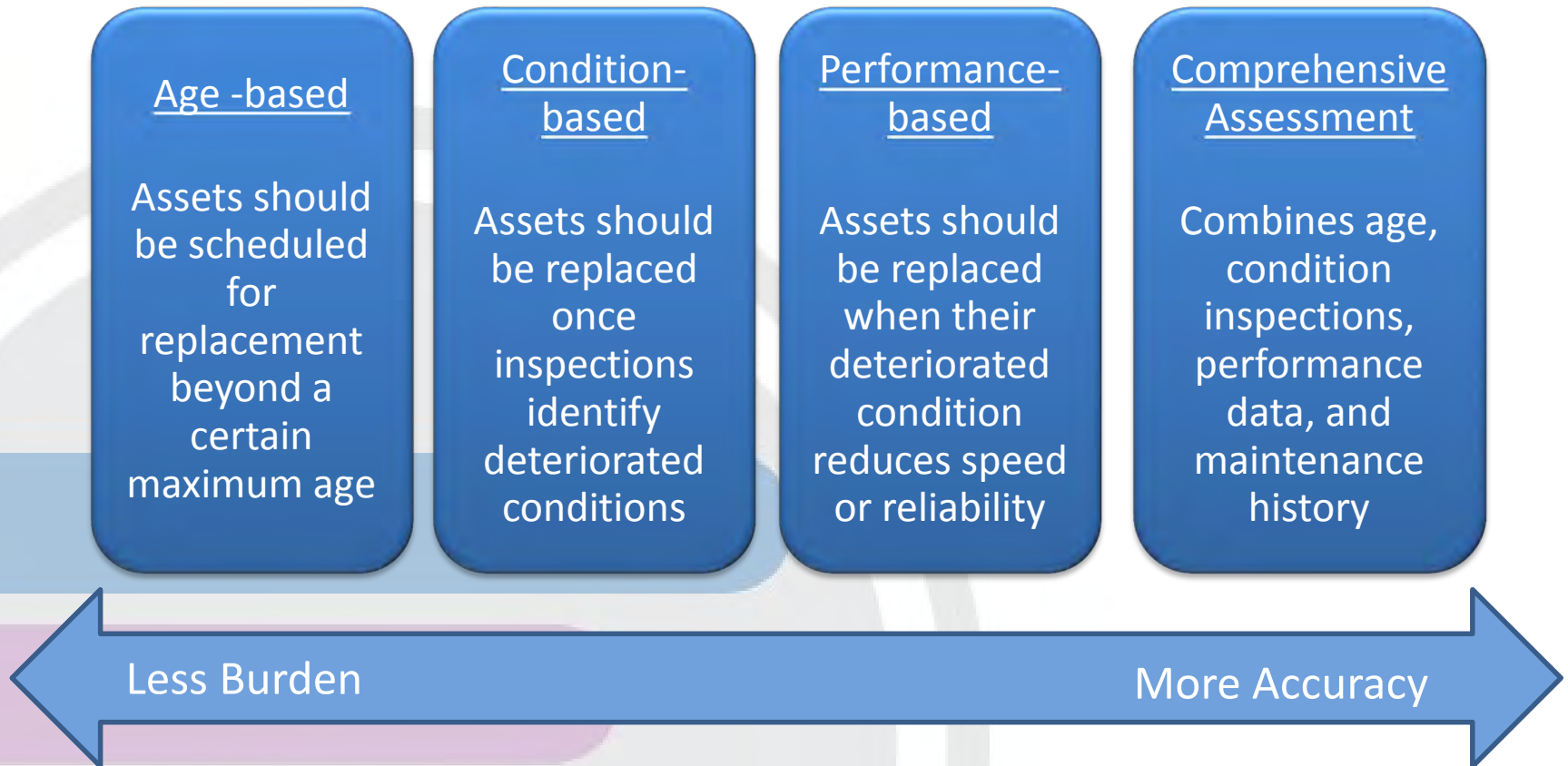
0.00

Capital projects featuring this asset

Row #	Capital project ID	Description	Status	Fiscal year	Capital category ID
1	20140223-00003	FY15 - BUS REPLACEMENT	PENDING	0	51402

State of Good Repair

4 Methods for Defining SGR (FTA)



- Trapeze EAM supports all four methods for defining SGR

Fleet Equipment List

Bruce's Reports > Equipment List

Report List | Save | Save As... | PDF Print | HTML | Results 100 | Design

Hide Filters | Add Field | Delete Field | Update Results

Filter Field Operator Value(s) Blank

DenotesThatUnitIsActive | Equals |

... | ... |

200

Asset Category ID	Description	EQ #	Asset Number	EQ Desc	Model Year ▲	Manufacturer ID	Model ID	VIN	Life Total Meter1	License #	Life Cycle Status C
112	ACCESS VEHICLES > 10 PASS	201	5204	2012 DODGE CARAVAN	2012	DODGE	CARAVAN	2C4RDG8G7CR369672		0 C17893	A
		1									

2100

Asset Category ID	Description	EQ #	Asset Number	EQ Desc	Model Year ▲	Manufacturer ID	Model ID	VIN	Life Total Meter1	License #	Life Cycle Status C
111	2001 NEW FLYER BUS	2101	5167	2002 NEW FLYER C35LF	2002	NEW FLYER	C35LF	5FYC2GP001U023536		0 C12016	A
111	2001 NEW FLYER BUS	2102	5168	2002 NEW FLYER C35LF	2002	NEW FLYER	C35LF	5FYC2GP021U023537		0 C12015	A
111	2001 NEW FLYER BUS	2103	5169	2002 NEW FLYER C35LF	2002	NEW FLYER	C35LF	5FYC2GP041U023538		0 C12018	A
111	2001 NEW FLYER BUS	2104	5170	2002 NEW FLYER C35LF	2002	NEW FLYER	C35LF	5FYC2GP061U023539		0 C12014	A
111	2001 NEW FLYER BUS	2105	5171	2002 NEW FLYER C35LF	2002	NEW FLYER	C35LF	5FYC2GP021U023540		0 C12013	A
111	2001 NEW FLYER BUS	2106	5172	2002 NEW FLYER C35LF	2002	NEW FLYER	C35LF	5FYC2GP041U023541		0 C12012	A
111	2001 NEW FLYER BUS	2107	5173	2002 NEW FLYER C35LF	2002	NEW FLYER	C35LF	5FYC2GP061U023542		0 C12011	A
111	2001 NEW FLYER BUS	2108	5174	2002 NEW FLYER C35LF	2002	NEW FLYER	C35LF	5FYC2GP081U023543		0 C12010	A
111	2001 NEW FLYER BUS	2109	5175	2002 NEW FLYER C35LF	2002	NEW FLYER	C35LF	5FYC2GP0X1U023544		0 C12009	A
111	2001 NEW FLYER BUS	2110	5176	2002 NEW FLYER C35LF	2002	NEW FLYER	C35LF	5FYC2GP011U023545		0 C12008	A
111	2001 NEW FLYER BUS	2111	5177	2002 NEW FLYER C35LF	2002	NEW FLYER	C35LF	5FYC2GP031U023546		0 C12007	A
111	2001 NEW FLYER BUS	2112	5178	2002 NEW FLYER C35LF	2002	NEW FLYER	C35LF	5FYC2GP051U023547		0 C12006	A
111	2001 NEW FLYER BUS	2113	5179	2002 NEW FLYER C35LF	2002	NEW FLYER	C35LF	5FYC2GP071U023548		0 C12017	A
		13									

2300

Asset Category ID	Description	EQ #	Asset Number	EQ Desc	Model Year ▲	Manufacturer ID	Model ID	VIN	Life Total Meter1	License #	Life Cycle Status C
112	E-450 PARATRANSIT GO-RIDE & CANYON CO	2305	5209	2003 FORD E450	2003	FORD	E450	1FDWE45F63HB05935		0 C12711	A
112	E-450 PARATRANSIT	2306	5210	2003 FORD E450	2003	FORD	E450	1FDWE45F83HB05936		0 C12730	A

Stationary Equipment

Stationary Equipment - Windows Internet Explorer

Stationary Equipment

Search Reload Sort Filter Sort New Copy Delete Edit Export

Help Trapeze

Row #	Equipment ID	Model year	Manufacturer ID	Model ID	Equipment description	Asset number	Operator ID
1	01010001	1980	NONE	BUS STOP	BOISE GARAGE	01010001	
2	01010003	1980	NONE	BUS STOP	GARY LANE & BUNCH	01010003	
3	01010004	2012	HAWKEYE	BUS STOP	GARY LANE & BUNCH	01010004	
4	01010005	2011	CHADEZ	BUS STOP	GARY LANE & SAXTON	01010005	
5	01010006	1980	NONE	BUS STOP	GARY LANE & SAXTON	01010006	
6	01010008	1980	NONE	BUS STOP	FAIRVIEW & WESTGATE	01010008	

Basic Info
Meter Info
Classes
Locations
Assignments
Accounts
Status
Capital
Motor Pool
Authorization
Comments
Class PM
Individual PM
Inspections

Equipment ID: 01010004 2012 HAWKEYE BUS STOP GARY LANE & BU New equipment unit

Add Data

Selected data from subsystems and parts

Row #	Defined by	Subsystem	Property	Description
1	Equipment ID	BUS STOP	ADA ACCESSIBLE	YES
2	Equipment ID	BUS STOP	LIFT ACCESSIBLE	YES
3	Equipment ID	BUS STOP	LIGHTING	NO
4	Equipment ID	BUS STOP	SEATING	NO
5	Equipment ID	BUS STOP	SHELTER	NO
6	Equipment ID	BUS STOP	SIDEWALK	YES
7	Equipment ID	BUS STOP	TELEPHONE	NO

Monitoring and Controlling will continue to improve the program

- Portfolio of all regional assets,
- Reports that will guide the cost benefit analysis,
- Asset replacement plan will be prioritized according to regional goals and objectives,
- Continuing to work on added regional stakeholders to the Trapeze Solution

Monitoring and Controlling Capital Projects Portal

[Messages](#)
[Web Screen](#)
[Admin](#)
Welcome **RJALBERT** [Logoff](#)


GN

[Home](#)
[Reporting](#)
[Capital Planning](#)
[Equipment](#)
[Ad Hoc Query](#)

Capital Project Portal

[Customize](#)
[New Project](#)

Refresh 

Capital Projects

ID	Description	Type	Status	Approval	Program Category	Program	Current Approver
20140129-00001	FY15 FIXED ROUTE CANYON COUNTY	OPERATION	AUTHORIZED	APPROVED	OPERATIONS	FIXED-ROUTE	RHONDA JALBERT
20140213-00001	MOBILITY PROGRAMS OPERATIONS	OPERATION	AUTHORIZED	APPROVED	OPERATIONS	MOBILITY PROGRAM OPERATIONS	RHONDA JALBERT
20140213-00003	DEMAND RESPONSE	OPERATION	AUTHORIZED	APPROVED	OPERATIONS	DEMAND RESPONSE	RHONDA JALBERT
20140213-00004	MOBILITY MANAGEMENT & IMPLEMENTATION	MOBILITY	AUTHORIZED	APPROVED	MOBILITY MANAGEMENT	MOBILITY ADMIN & IMPL.	RHONDA JALBERT
20140213-00009	MOBILITY PROGRAMS OPERATIONS	OPERATION	AUTHORIZED	PENDING	OPERATIONS	MOBILITY PROGRAM OPERATIONS	
20140223-00001	FY15 - ADA - PREVENTATIVE MAINTENANCE	CAPITAL	PENDING	PENDING	CAPITAL	PREVENTATIVE MAINTENANCE	
20140223-00002	FY15 - TECHNOLOGY	CAPITAL	PENDING	PENDING	CAPITAL	TECHNOLOGY INVESTMENTS	
20140223-00003	FY15 - BUS REPLACEMENT	CAPITAL	PENDING	PENDING	CAPITAL	VEHICLES > 35 FT	
20140223-00004	FY15 - BUS REPLACEMENT - PHASE 2	CAPITAL	PENDING	PENDING	CAPITAL	VEHICLES > 35 FT	
20140223-00005	FY15 - ADA - SAFETY & SECURITY	SAFETY & SECURITY	PENDING	PENDING	SAFETY & SECURITY	SAFETY & SECURITY	

Showing 1 to 34 of 34 entries

Projects Awaiting My Approval

ID	Description	Type	Status	Approval	Program Category	Program	Current Approver
20140129-00001	FY15 FIXED ROUTE CANYON COUNTY	OPERATION	AUTHORIZED	APPROVED	OPERATIONS	FIXED-ROUTE	RHONDA JALBERT
20140213-00001	MOBILITY PROGRAMS OPERATIONS	OPERATION	AUTHORIZED	APPROVED	OPERATIONS	MOBILITY PROGRAM OPERATIONS	RHONDA JALBERT
20140213-00003	DEMAND RESPONSE	OPERATION	AUTHORIZED	APPROVED	OPERATIONS	DEMAND RESPONSE	RHONDA JALBERT
20140213-00004	MOBILITY MANAGEMENT & IMPLEMENTATION	MOBILITY	AUTHORIZED	APPROVED	MOBILITY MANAGEMENT	MOBILITY ADMIN & IMPL.	RHONDA JALBERT

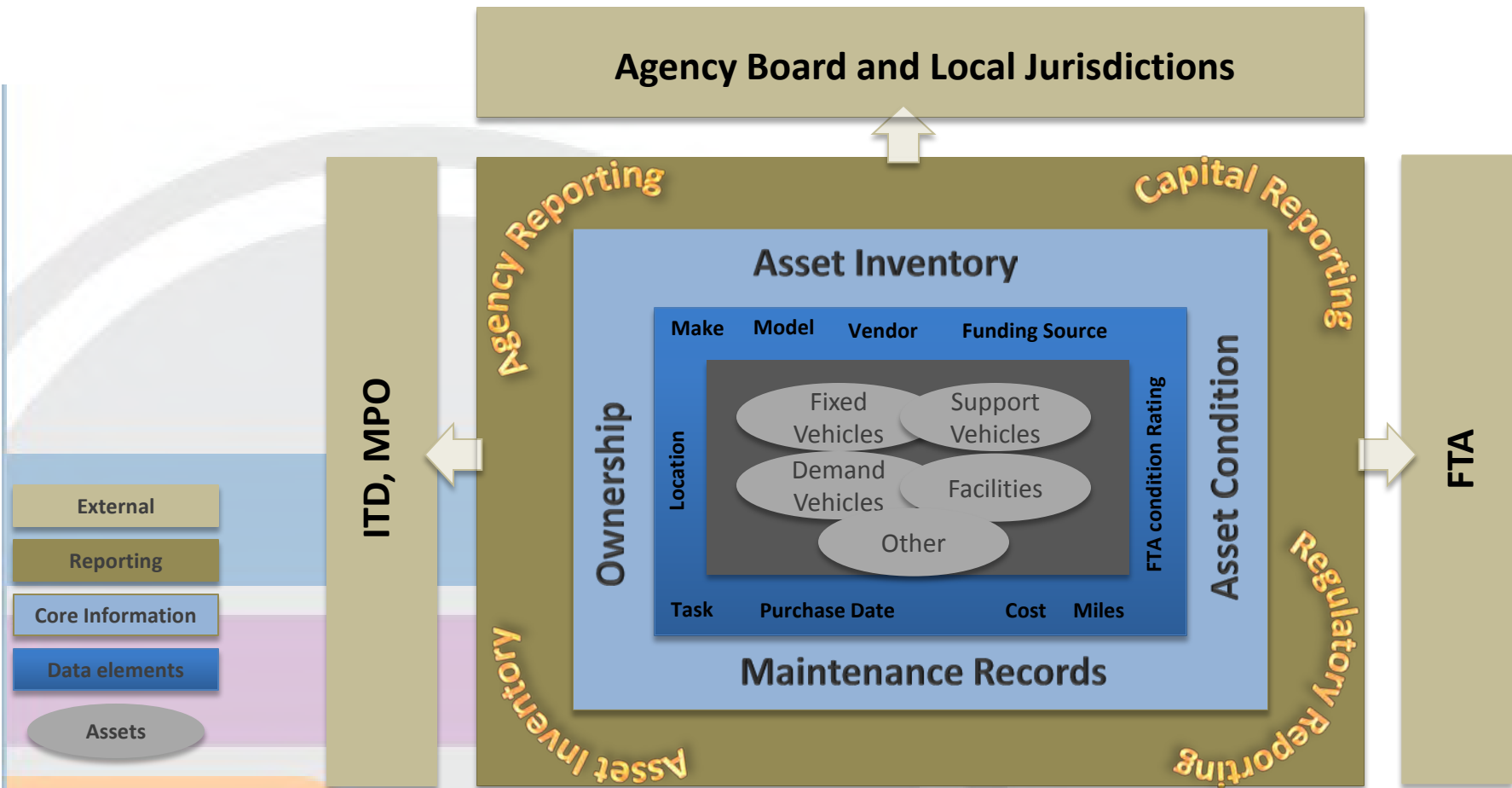
Showing 1 to 4 of 4 entries

Benefits individual agencies and the Region

- Data is generated at a regional level,
- Cost benefit analysis are conducted regionally and consistently by each partnering agency/stakeholder, and
- A long and short term capital replacement plan for the region is generated.



A Picture of how our Solution is Structured



Risks and Challenges?

- Assets are owned by various organizations and agencies
- Differing Missions and Goals
- Maintenance of Assets
- No Standardized Accounting Practices



Overcoming Obstacles

- Communicating and coordinating with our partner agencies and stakeholders.
- Standardizing asset facts and specifications.
- Prioritizing asset needs regionally.
- Submitting for grant applications as a region and with multiple agency participation.
- Coordinate/standardize our systems, e.g. naming of bus stops, 511, etc.
- Understanding the FTR Requirements



Closing

Small Transit Agency Asset Management Systems must be:

- Regional,
- Easy to Use,
- Track Data required for reporting,
- Track Data required for grant applications and
- Provide agencies with operational capabilities.

Questions

